#### CLAIM AMENDMENTS

### 1-99. (Cancelled)

of a portion of SEQ ID NO: 39, wherein said portion comprises (i) at least 9 contiguous amino acids from amino acids 56-70 of SEQ ID NO: 39 or (ii) at least 9 contiguous amino acids from amino acids 448-462 of SEQ ID NO: 39, or a derivative of either of the foregoing, wherein the amino acid sequence of the derivative is at least 85% identical with the immunogenic peptide, wherein the immunogenic peptide is about 9 to about 34 amino acids in length and or derivative thereof is recognized by a CD4<sup>+</sup> T lymphocyte, which is restricted by a Major Histocompatibility Complex (MHC) Class II molecule.

## 101. (Cancelled)

- 102. (Currently Amended) The immunogenic peptide of claim 100, wherein the portion comprises peptide consists essentially of amino acids 56-64 and 66-70 of SEQ ID NO: 39 and wherein amino acid 65 of SEQ ID NO: 39 is substituted with a valine.
- 103. (Currently Amended) The immunogenic peptide of claim 100, wherein the portion comprises peptide consists essentially of amino acids 448-450 and 452-462 of SEQ ID NO: 39 and wherein amino acid 451 of SEQ ID NO: 39 is substituted with a phenylalanine.

#### 104-106. (Cancelled)

- 107. (Previously Presented) The isolated immunogenic peptide of claim 100, wherein the peptide consists of amino acids 56-70 of SEQ ID NO: 39.
- 108. (Previously Presented) The isolated immunogenic peptide of claim 100, wherein the peptide consists of amino acids 448-462 of SEQ ID NO: 39.
- 109. (Previously Presented) The isolated immunogenic peptide of claim 100, wherein the peptide consists of amino acids 57-70 of SEQ ID NO: 39.

- 110. (Previously Presented) The isolated immunogenic peptide of claim 100, wherein the peptide consists of amino acids 449-462 of SEQ ID NO: 39.
- 111. (Previously Presented) The isolated immunogenic peptide of claim 100, wherein the peptide consists of amino acids 450-462 of SEQ ID NO: 39.
- 112. (Previously Presented) The immunogenic peptide of claim 100, wherein the MHC Class II molecule is Human Leukocyte Antigen (HLA)-DR.
- 113. (Previously Presented) The immunogenic peptide of claim 112, wherein the HLA-DR is HLA-DRB1\*0401.
- 114. (Currently Amended) The immunogenic peptide of claim 100 linked to an MHC Class II molecule, molecule or a portion thereof.
- 115. (Previously Presented) The immunogenic peptide of claim 114, wherein the portion of the MHC Class II molecule is the  $\beta$  chain of the MHC Class II molecule.
- 116. (Previously Presented) A composition comprising an immunogenic peptide of claim 100.
- 117. (Previously Presented) A composition comprising an immunogenic peptide of claim 114.
- 118. (Previously Presented) A method of inducing CD4<sup>+</sup> T lymphocytes to respond to melanoma, which method comprises:
  - (i) contacting antigen presenting cells with a composition of claim 116 *in vitro*, and
  - (ii) simultaneously or subsequently exposing CD4<sup>+</sup> T lymphocytes to the antigen presenting cells *in vitro*,

whereupon the CD4<sup>+</sup> T lymphocytes are induced to respond to melanoma.

- 119. (Previously Presented) The method of claim 118, wherein the CD4<sup>+</sup> T lymphocytes are obtained from a host and the method further comprises:
  - (iii) administering the CD4<sup>+</sup> T lymphocytes to the host.

- 120. (Previously Presented) The method of claim 119, wherein the host is a mammal.
- 121. (Previously Presented) The method of claim 120, wherein the mammal is a human.
- 122. (Previously Presented) The method of claim 119, wherein the antigen presenting cells are obtained from the host.
- 123. (Previously Presented) A method of inducing CD4<sup>+</sup> T lymphocytes in a host to respond to melanoma, which method comprises:
  - (i) contacting antigen presenting cells with a composition of claim 116 in vitro, and
- (ii) subsequently exposing CD4<sup>+</sup> T lymphocytes in the host to the antigen presenting cells by administering the antigen presenting cells to the host, whereupon the CD4<sup>+</sup> T lymphocytes in the host are induced to respond to melanoma.
- 124. (Previously Presented) The method of claim 123, wherein the host is a mammal.
- 125. (Previously Presented) The method of claim 124, wherein the mammal is a human.
- 126. (Previously Presented) The method of claim 123, wherein the antigen presenting cells are obtained from the host.
- 127. (Previously Presented) A method of inducing CD4<sup>+</sup> T lymphocytes in a host to respond to melanoma, which method comprises administering the composition of claim 116 to the host, whereupon the CD4<sup>+</sup> T lymphocytes in the host are induced to respond to melanoma.
- 128. (Previously Presented) A method of inducing CD4<sup>+</sup> T lymphocytes to respond to melanoma, which method comprises:

- (i) contacting antigen presenting cells with a composition of claim 117 in vitro, and
- (ii) simultaneously or subsequently exposing CD4<sup>+</sup> T lymphocytes to the antigen presenting cells *in vitro*, whereupon the CD4<sup>+</sup> T lymphocytes are induced to respond to melanoma.
- 129. (Previously Presented) The method of claim 128, wherein the CD4<sup>+</sup> T lymphocytes are obtained from a host and the method further comprises:
  - (iii) administering the CD4<sup>+</sup> T lymphocytes to the host.
- 130. (Previously Presented) The method of claim 129, wherein the host is a mammal.
- 131. (Previously Presented) The method of claim 130, wherein the mammal is a human.
- 132. (Currently Amended) The method of claim 128 129, wherein the antigen presenting cells are obtained from the host.
- 133. (Previously Presented) A method of inducing CD4<sup>+</sup> T lymphocytes in a host to respond to melanoma, which method comprises:
  - (i) contacting antigen presenting cells with a composition of claim 117 *in vitro*, and
- (ii) subsequently exposing CD4<sup>+</sup> T lymphocytes in the host to the antigen presenting cells by administering the antigen presenting cells to the host, whereupon the CD4<sup>+</sup> T lymphocytes in the host are induced to respond to melanoma.
- 134. (Previously Presented) The method of claim 133, wherein the host is a mammal.
- 135. (Previously Presented) The method of claim 134, wherein the mammal is a human.
- 136. (Previously Presented) The method of claim 133, wherein the antigen presenting cells are obtained from the host.

137. (Previously Presented) A method of inducing CD4<sup>+</sup> T lymphocytes in a host to respond to melanoma, which method comprises administering the composition of claim 117 to the host, whereupon the CD4<sup>+</sup> T lymphocytes in the host are induced to respond to melanoma.

# 138.-191. (Not Entered)

- 192. (New) An isolated immunogenic peptide consisting of a portion of SEQ ID NO: 39, wherein the portion comprises (a) at least 9 amino acids from amino acids 56-70 of SEQ ID NO: 39, wherein the portion comprises an amino acid substitution selected from the group consisting of A63V, I58F, I58V, L60F, and L60Q, or (b) at least 9 amino acids from amino acids 448-462 of SEQ ID NO: 39, wherein the portion comprises an amino acid substitution selected from the group consisting of D456V, Y449F, and Y449Q, wherein the peptide is about 9 to about 34 amino acids in length, and wherein the peptide is restricted by a MHC Class II molecule.
- 193. (New) The isolated immunogenic peptide of claim 192, wherein the MHC Class II molecule is HLA-DR.
- 194. (New) The isolated immunogenic peptide of claim 193, wherein the HLA-DR is HLA-DRB1\*0401.
- 195. (New) The isolated immunogenic peptide of claim 192 linked to an MHC Class II molecule or a portion thereof.
- 196. (New) The isolated immunogenic peptide of claim 195, wherein the portion of the MHC Class II molecule is the  $\beta$  chain of the MHC Class II molecule.
- 197. (New) A composition comprising an isolated immunogenic peptide of claim 192.
- 198. (New) A composition comprising an isolated immunogenic peptide of claim 195.

- 199. (New) A method of inducing CD4<sup>+</sup> T lymphocytes to respond to melanoma, which method comprises:
  - (i) contacting antigen presenting cells with a composition of claim 197 *in vitro*, and
  - (ii) simultaneously or subsequently exposing CD4<sup>+</sup> T lymphocytes to the antigen presenting cells *in vitro*,

whereupon the CD4<sup>+</sup> T lymphocytes are induced to respond to melanoma.

- 200. (New) The method of claim 199, wherein the CD4<sup>+</sup> T lymphocytes are obtained from a host and the method further comprises:
  - (iii) administering the CD4<sup>+</sup> T lymphocytes to the host.
  - 201. (New) The method of claim 200, wherein the host is a mammal.
  - 202. (New) The method of claim 201, wherein the mammal is a human.
- 203. (New) The method of claim 200, wherein the antigen presenting cells are obtained from the host.
- 204. (New) A method of inducing CD4<sup>+</sup> T lymphocytes in a host to respond to melanoma, which method comprises:
  - (i) contacting antigen presenting cells with a composition of claim 197 *in vitro*, and
- (ii) subsequently exposing CD4<sup>+</sup> T lymphocytes in the host to the antigen presenting cells by administering the antigen presenting cells to the host, whereupon the CD4<sup>+</sup> T lymphocytes in the host are induced to respond to melanoma.
  - 205. (New) The method of claim 204, wherein the host is a mammal.
  - 206. (New) The method of claim 205, wherein the mammal is a human.
- 207. (New) The method of claim 204, wherein the antigen presenting cells are obtained from the host.

- 208. (New) A method of inducing CD4<sup>+</sup> T lymphocytes in a host to respond to melanoma, which method comprises administering the composition of claim 197 to the host, whereupon the CD4<sup>+</sup> T lymphocytes in the host are induced to respond to melanoma.
- 209. (New) A method of inducing CD4<sup>+</sup> T lymphocytes to respond to melanoma, which method comprises:
  - (i) contacting antigen presenting cells with a composition of claim 198 in *vitro*, and
  - (ii) simultaneously or subsequently exposing CD4<sup>+</sup> T lymphocytes to the antigen presenting cells *in vitro*,

whereupon the CD4<sup>+</sup> T lymphocytes are induced to respond to melanoma.

- 210. (New) The method of claim 209, wherein the CD4<sup>+</sup> T lymphocytes are obtained from a host and the method further comprises:
  - (iii) administering the CD4<sup>+</sup> T lymphocytes to the host.
  - 211. (New) The method of claim 210, wherein the host is a mammal.
  - 212. (New) The method of claim 211, wherein the mammal is a human.
- 213. (New) The method of claim 210, wherein the antigen presenting cells are obtained from the host.
- 214. (New) A method of inducing CD4<sup>+</sup> T lymphocytes in a host to respond to melanoma, which method comprises:
  - (i) contacting antigen presenting cells with a composition of claim 198 in vitro, and
- (ii) subsequently exposing CD4<sup>+</sup> T lymphocytes in the host to the antigen presenting cells by administering the antigen presenting cells to the host, whereupon the CD4<sup>+</sup> T lymphocytes in the host are induced to respond to melanoma.
  - 215. (New) The method of claim 214, wherein the host is a mammal.
  - 216. (New) The method of claim 215, wherein the mammal is a human.

- 217. (New) The method of claim 214, wherein the antigen presenting cells are obtained from the host.
- 218. (New) A method of inducing CD4<sup>+</sup> T lymphocytes in a host to respond to melanoma, which method comprises administering the composition of claim 198 to the host, whereupon the CD4<sup>+</sup> T lymphocytes in the host are induced to respond to melanoma.